

## SURGERY OF RUMINANTS

1	Course Title:	SURGERY OF RUMINANTS
2	Course Code:	VET5115
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	5
6	Semester:	9
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	Large Animal Surgery
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç.Dr. GÖKSEN ÇEÇEN
15	Course Lecturers:	-
16	Contact information of the Course Coordinator:	goksenc@uludag.edu.tr Uludağ Üniversitesi Veteriner Fakültesi Hayvan Hastanesi Cerrahi Anabilim Dalı, Görükle Kampüsü, Bursa. Tlf (224) 2940840
17	Website:	<a href="http://www.veteriner.uludag.edu.tr">http://www.veteriner.uludag.edu.tr</a>
18	Objective of the Course:	To teach the students the skills necessary for the solution of the problems related with the ruminant surgical diseases order to teach the surgical diseases of the small and large ruminants, the approach to the significant diseases encountered in the field, aseptic surgical principals in ruminant surgery and operative treatments of surgical diseases. To educate qualified students in the field of surgical diseases of small and large ruminants, important field problems, principles of ruminant surgery and operative treatment of the surgical diseases in ruminants. Multidisciplinary approach to the surgical diseases of the ruminants and to acquire experience on this area.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Knows surgical diseases of the small and large ruminants
	2	Learns the principles of aseptic surgery Ruminant surgery
	3	Learns to operational, functional and economical treatment and to gain the patient's production
	4	Learns the principles and methods of operative treatment, especially under field conditions
	5	Wins intellectual identity to educate breeders and trainers people
	6	Multidisciplinary work culture wins
	7	Becomes the owner of approaches and skills to the professional veterinary surgeon
	8	Learns to biosecurity and preventive medicine
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21	Course Content:	

	Course Content:			
Week	Theoretical	Practice		
1	Principles of the ruminant surgery. Preparation for surgical intervention in ruminants. Prevention from surgical infection. Preoperative and postoperative care and nutrition.			
2	Surgical diseases of the head region (surgery of eyes, surgery of horn, surgery of nose, sinus disease and surgery).			
3	Treatment of sucking reflex, surgery of cervical region (pharynx, oesophagus and trachea)			
4	Surgical treatment of umbilical lesions (umbilical abcess, umbilical cord inflammation, umbilical hernia)			
5	Surgical procedures in the abdominal area (laparotomy, rumenotomy, rumen cannulation techniques, intestinal volvulus/torsion)			
6	Diseases of abomasum and therapeutic applications of abomasal diseases (abomasal ulcer, abomasal fistulas, abomasal dilatation, displacement and torsion), Diseases of cecum (dilatation, dislocation and torsion) and cecum surgery (typhlotomy, typhlectomy)			
7	Congenital intestinal anomalies (atresia coli, atresia ani et recti) and surgical treatment.			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	(urethrotomy, urethrostomy). Castration. Amputation of tail	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preparation	treatment methods	14	1.00	14.00
10	Arthritic and treatment methods of them			
Homeworks		0	0.00	0.00
11	Other operations in the extremities (patellar luxation, tendon ruptur, fleksor deformaties	0	0.00	0.00
Field Studies		0	0.00	0.00
12	Conservative and operative treatment of long bone fractures in extremities	1	4.00	4.00
Midterm exams				
Others		2	2.00	4.00
Final Exams	cattle (limax, volar= plantar resection in flexor prof. enthesis of the distal di-	1	10.00	10.00
Total Work Load				60.00
Total work load/ 30 hr				2.00
ECTS Credit of the Course				2.00

22	Textbooks, References and/or Other Materials:	<ol style="list-style-type: none"> <li>1. Surgery, Görgül OS. Bursa, 2000</li> <li>2. Special Surgery, Samsar E, Akın F., 2002</li> <li>3. Innere Medizin und Chirurgie des Rindes, Dirksen G, Gründer H-D, stöber M., 2003.</li> <li>4. The Veterinary Clinics of North America (Food Animal Practice) Biosecurity of Cattle Operations, Dargatz DA, 2002.</li> <li>5. "Surgery". Cattle Diseases., Görgül OS. Ed. Alaçam E, Şahal M., Ankara, 2003</li> <li>6. Clinical Dissection Guide For Large Animals, Constantinescu GM, Constantinescu IA., 2004</li> <li>7. Techniques in Large Animal Surgery, Turner SA, McIlwraith CW, 2004</li> <li>8. Farm Animal Surgery, Fubini SL, Ducharme NG, 2004</li> <li>9. Bovine Medicine Diseases and Husbandry of Cattle, Andrews AH, Blowey RW, Boyd H, Eddy RG., 2004</li> <li>10. Ruminant Cerrahisi, Görgül OS., 2007</li> <li>11. Büyük Hayvan Cerrahisi, Görgül O.S., Seyrek-İntaş D., Çeçen G., 2009</li> </ol>
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<b>23</b>	Assesment	
<b>TERM LEARNING ACTIVITIES</b>	<b>NUMBER</b>	<b>WEIGHT</b>
Midterm Exam	1	40.00
Quiz	1	10.00
Home work-project	0	0.00
Final Exam	1	50.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00
Contribution of Final Exam to Success Grade		50.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	ECTS / WORK LOAD TABLE
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	4	5	5	5	1	1	1	1	1	2	2	0	0	0	0
ÖK2	4	2	1	3	1	1	1	1	1	1	1	1	0	0	0	0
ÖK3	2	4	3	5	5	2	2	2	2	1	1	2	0	0	0	0
ÖK4	3	1	3	5	1	1	1	1	1	1	1	1	0	0	0	0
ÖK5	1	2	1	2	5	2	2	3	5	1	1	1	0	0	0	0
ÖK6	2	1	3	1	4	1	1	1	5	1	2	1	0	0	0	0
ÖK7	3	4	5	5	3	1	1	1	1	3	4	2	0	0	0	0
ÖK8	2	2	1	1	5	1	3	1	1	1	1	1	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																

<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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